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FIG. 1A

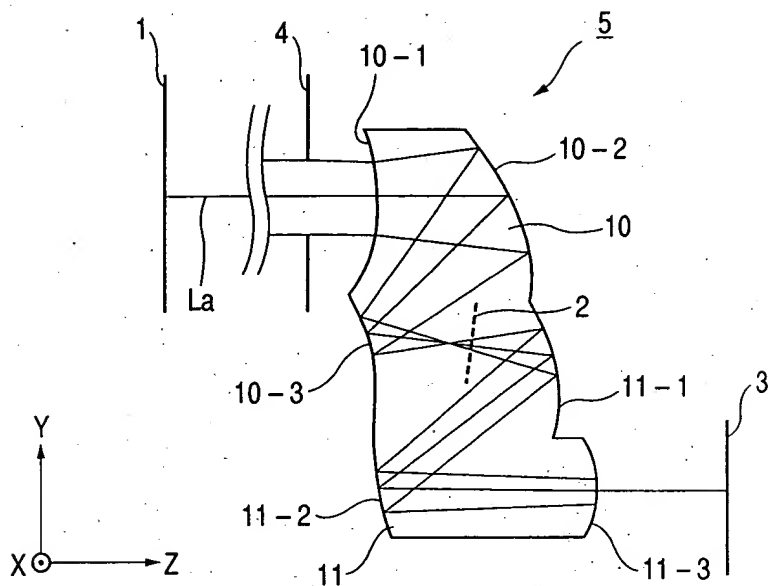
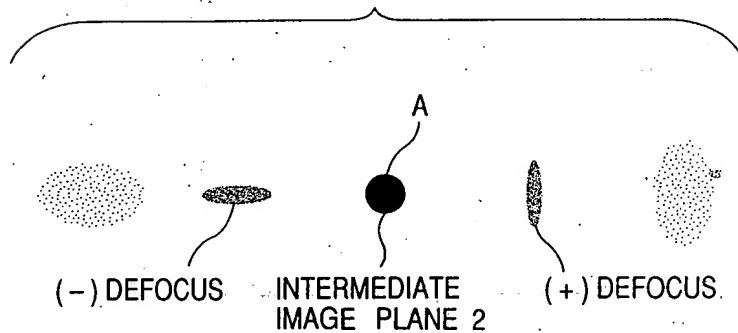


FIG. 1B



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FIG. 2A

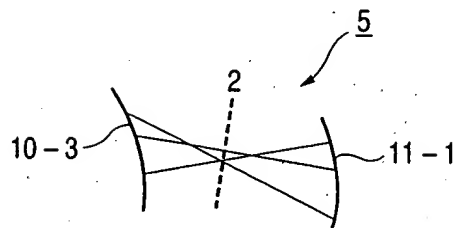
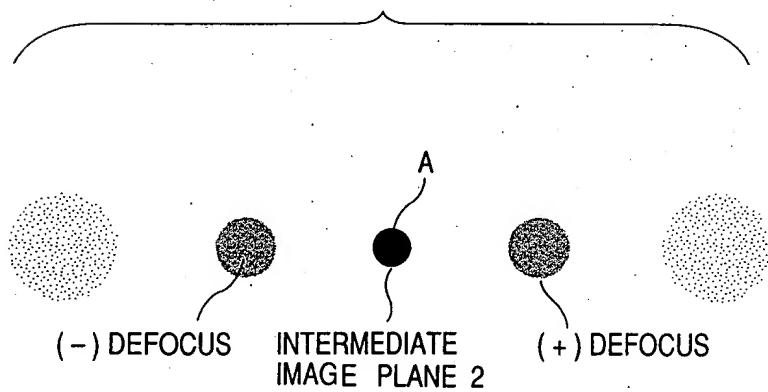


FIG. 2B



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FIG. 3A

(LIGHT BEAMS IN MERIDIAN SECTION)

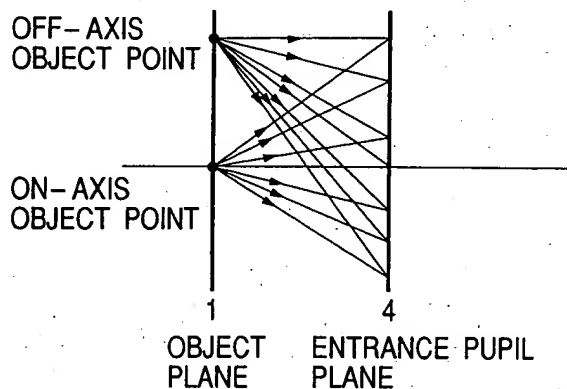


FIG. 3B

(RELATIONSHIP OF TORSION)

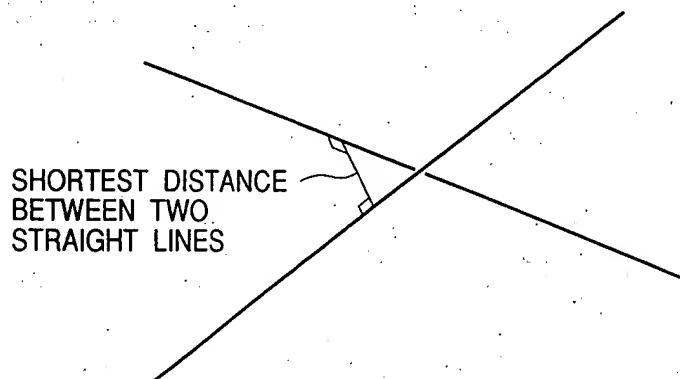
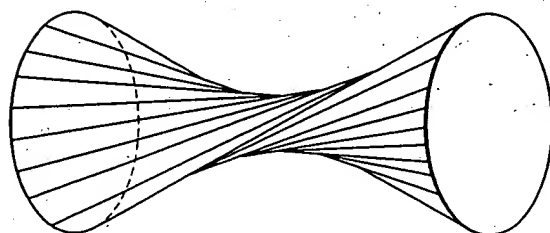


FIG. 3C



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FIG. 4A

WIDE ANGLE END

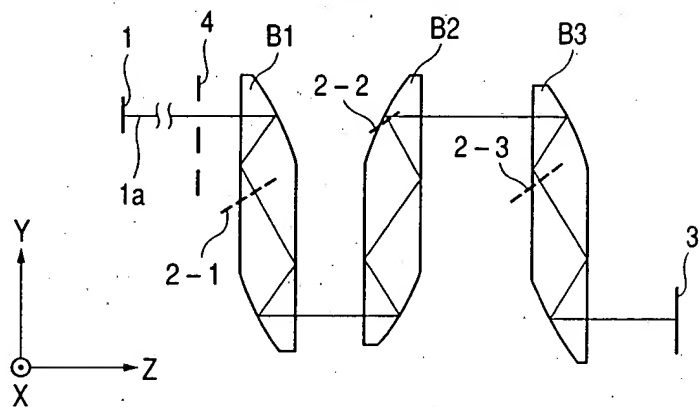


FIG. 4B

INTERMEDIATE POSITION

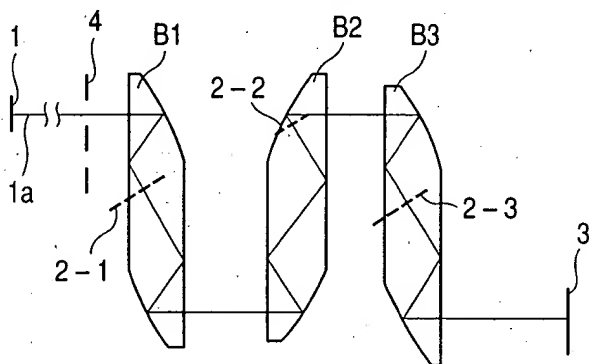
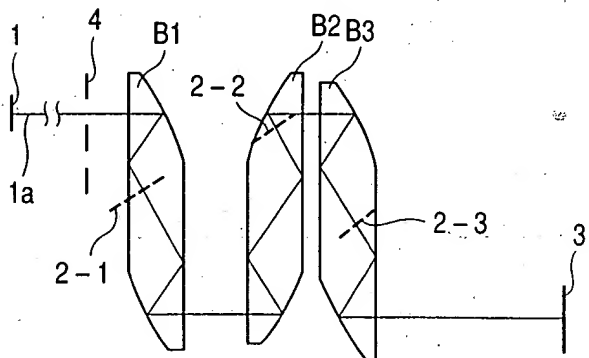


FIG. 4C

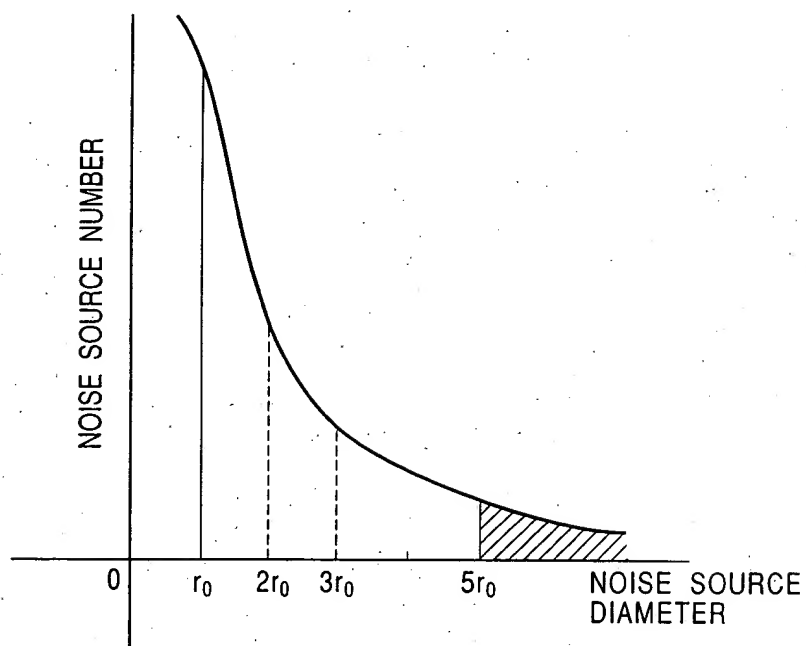
TELEPHOTO END



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FIG. 5



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FIG. 6A

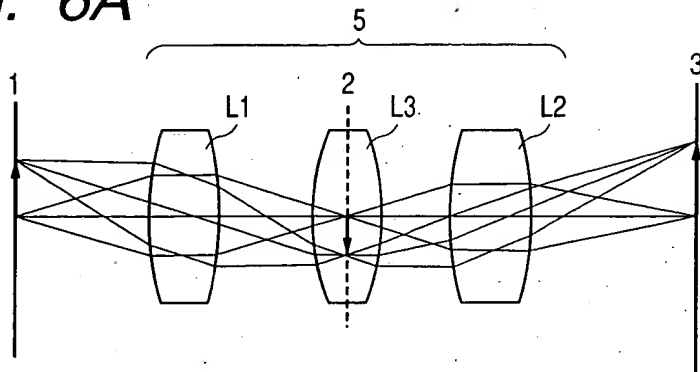


FIG. 6B

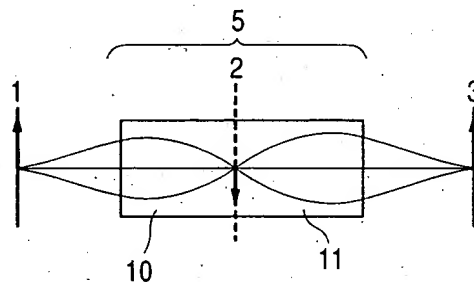
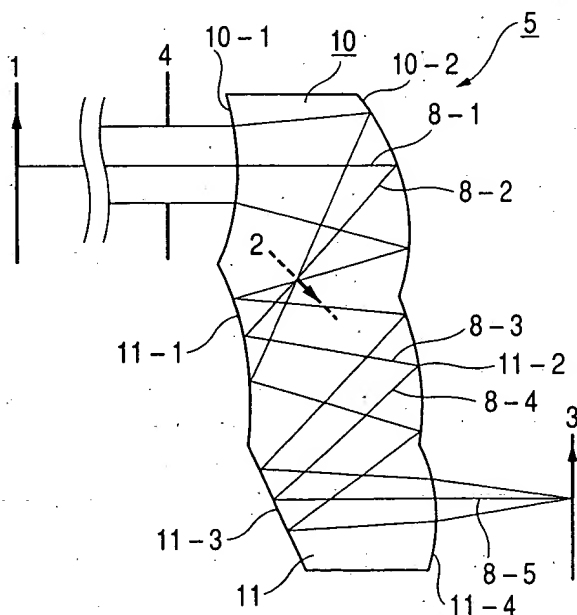


FIG. 6C



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FIG. 7A

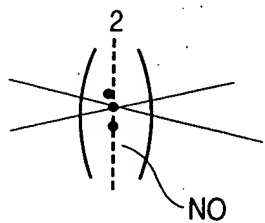


FIG. 7B

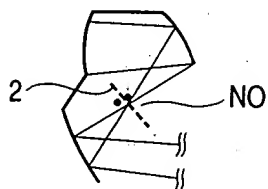


FIG. 7C

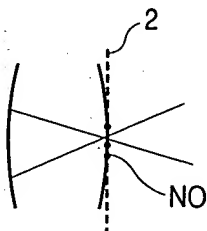


FIG. 7D

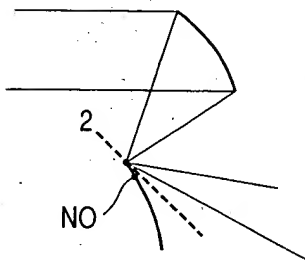
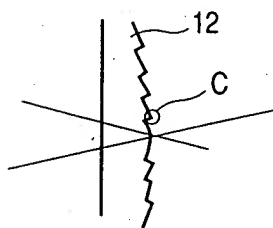
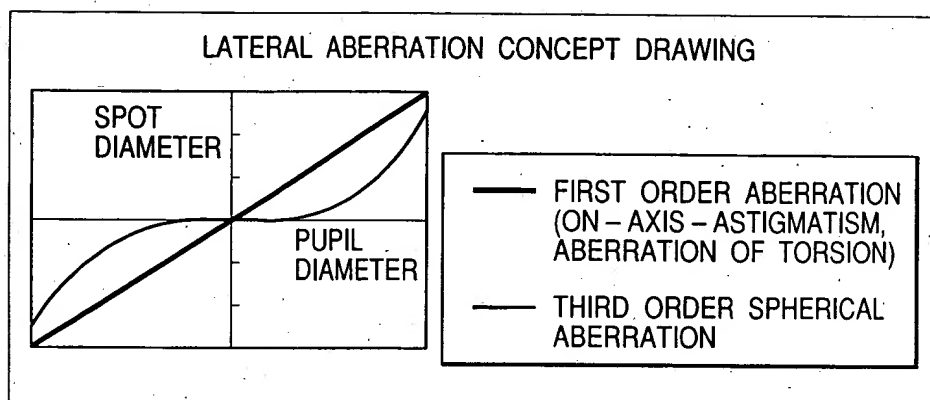


FIG. 7E



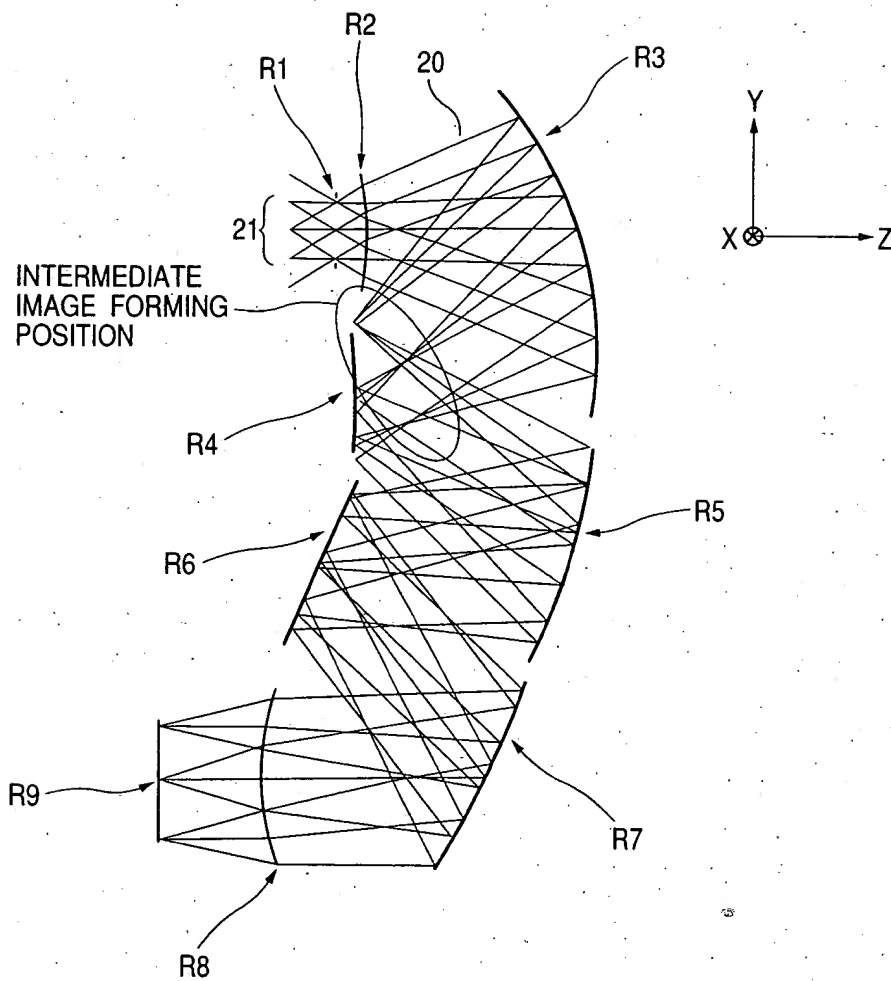
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FIG. 8



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FIG. 9



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061E40" 1E042160

(VERTICAL INCIDENCE
ANGLE, HORIZONTAL
INCIDENCE ANGLE)

Y DIRECTION

X DIRECTION

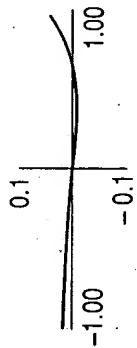


FIG. 10A

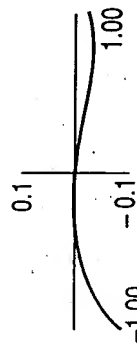


FIG. 10G

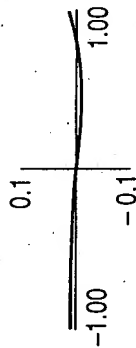


FIG. 10B

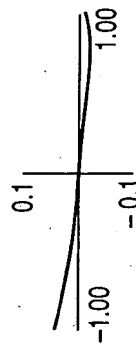


FIG. 10H

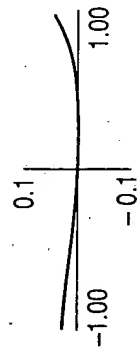


FIG. 10C

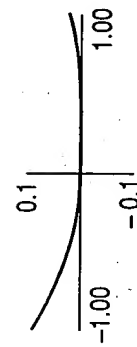


FIG. 10I

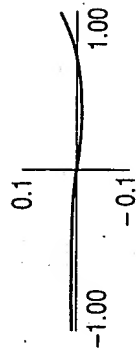


FIG. 10D

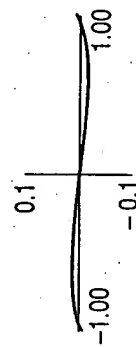


FIG. 10J

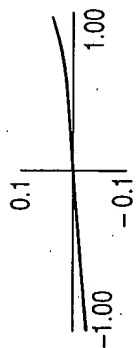


FIG. 10E

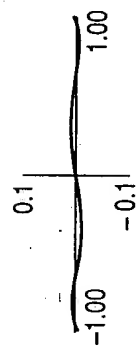


FIG. 10K

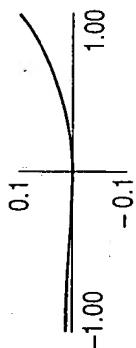


FIG. 10F

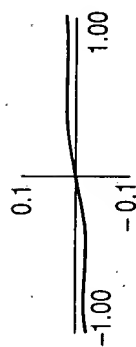
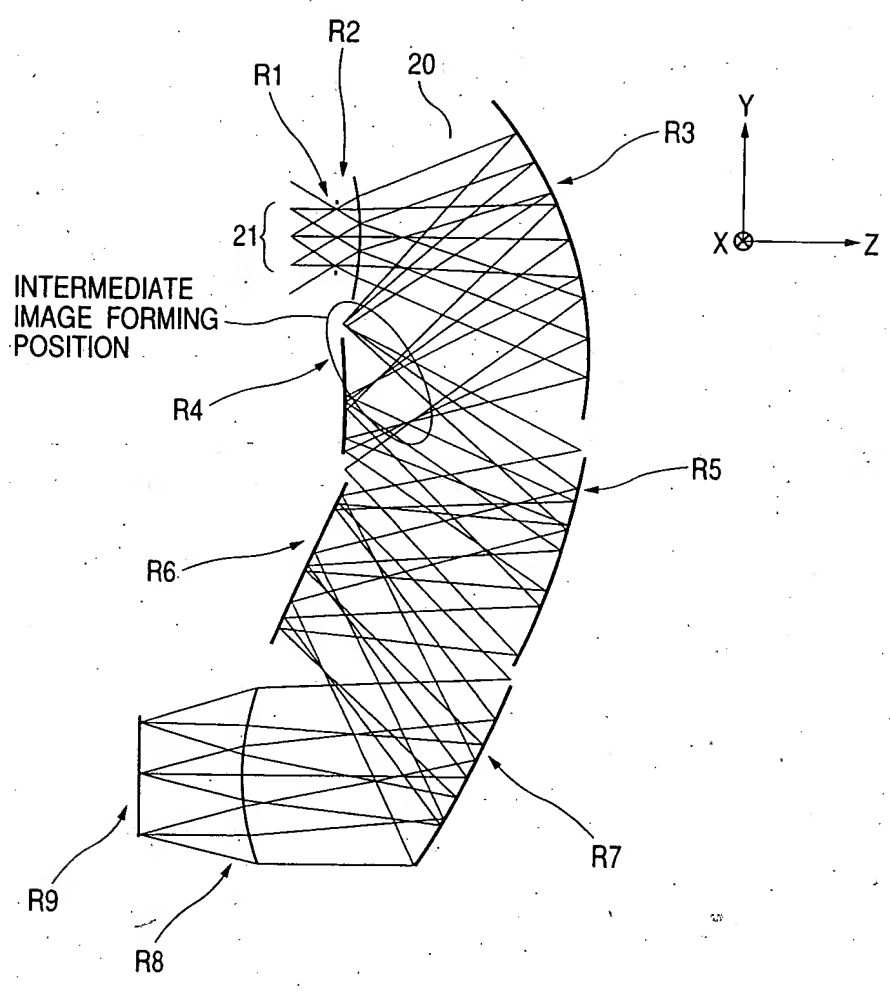


FIG. 10L

FIG. 11



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BY DRAFTSMAN	CLASS	
	SUBCLASS	

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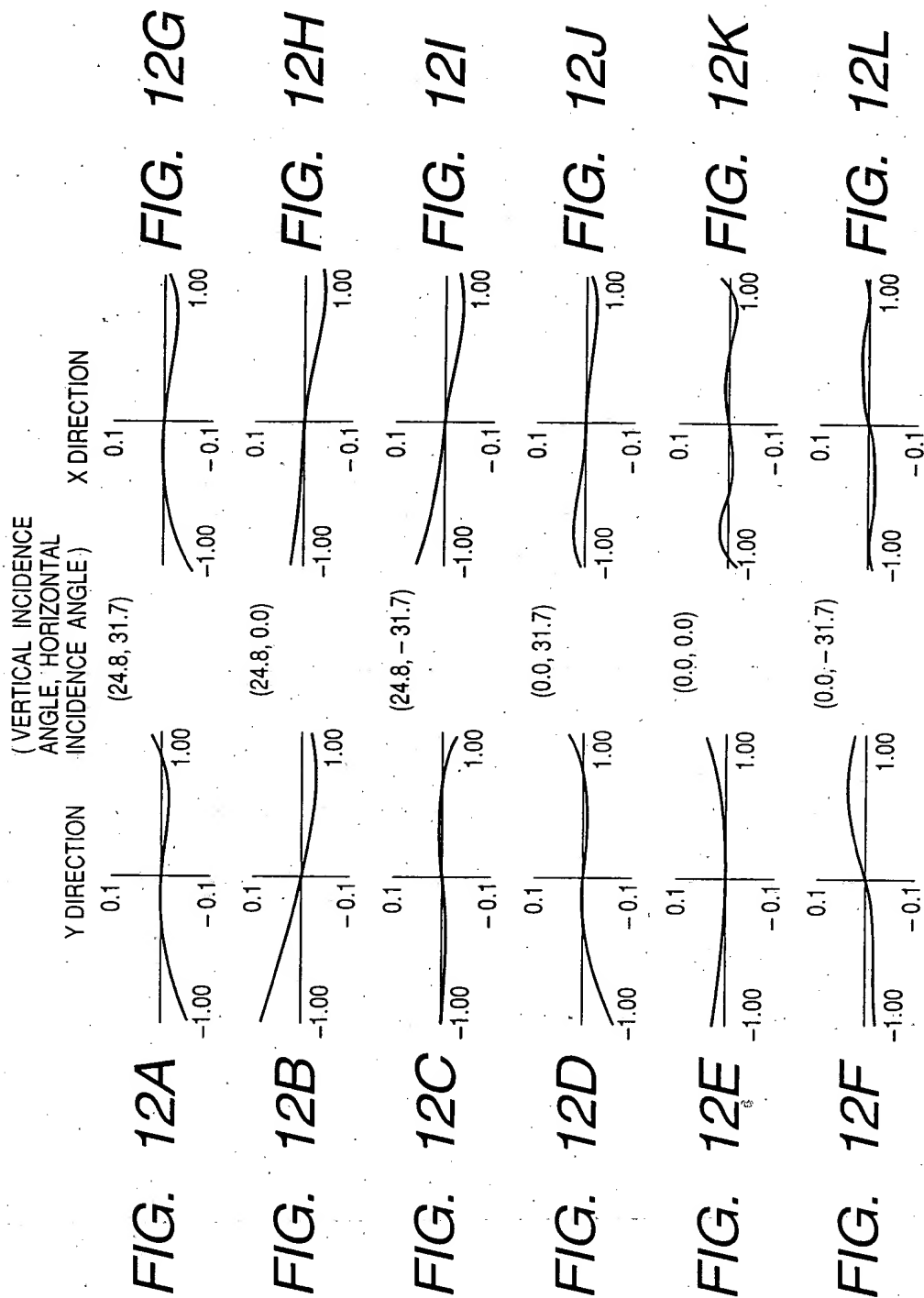
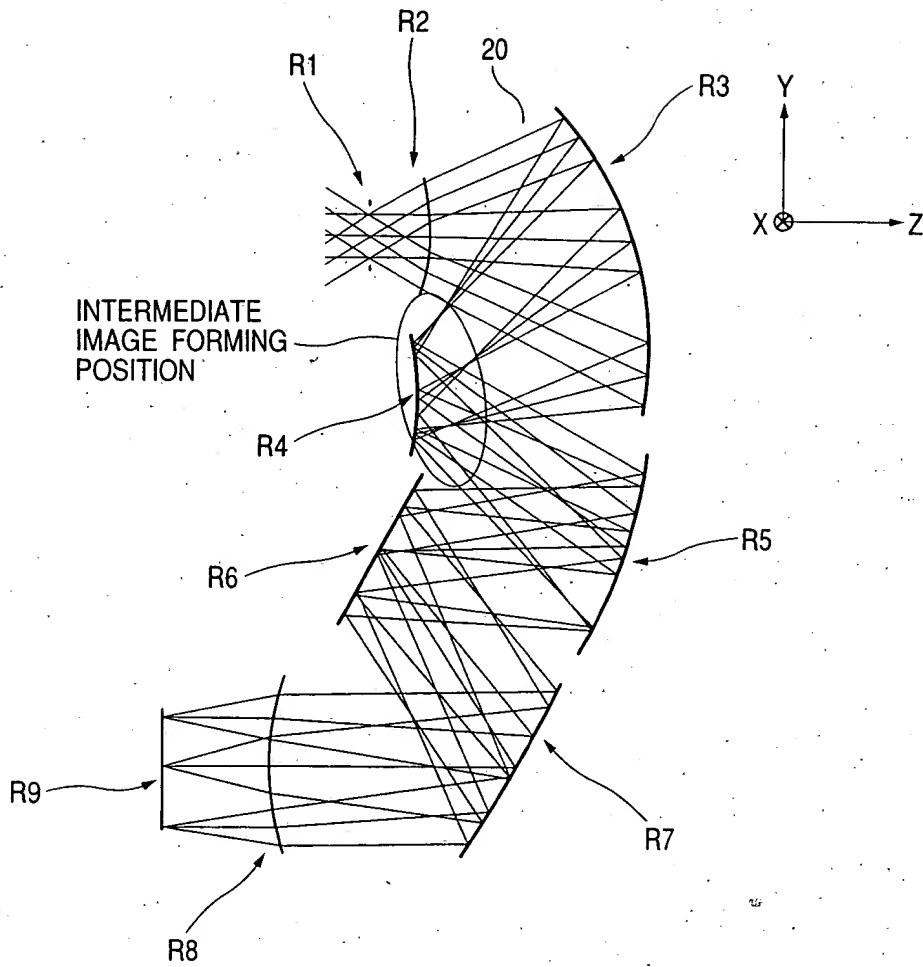
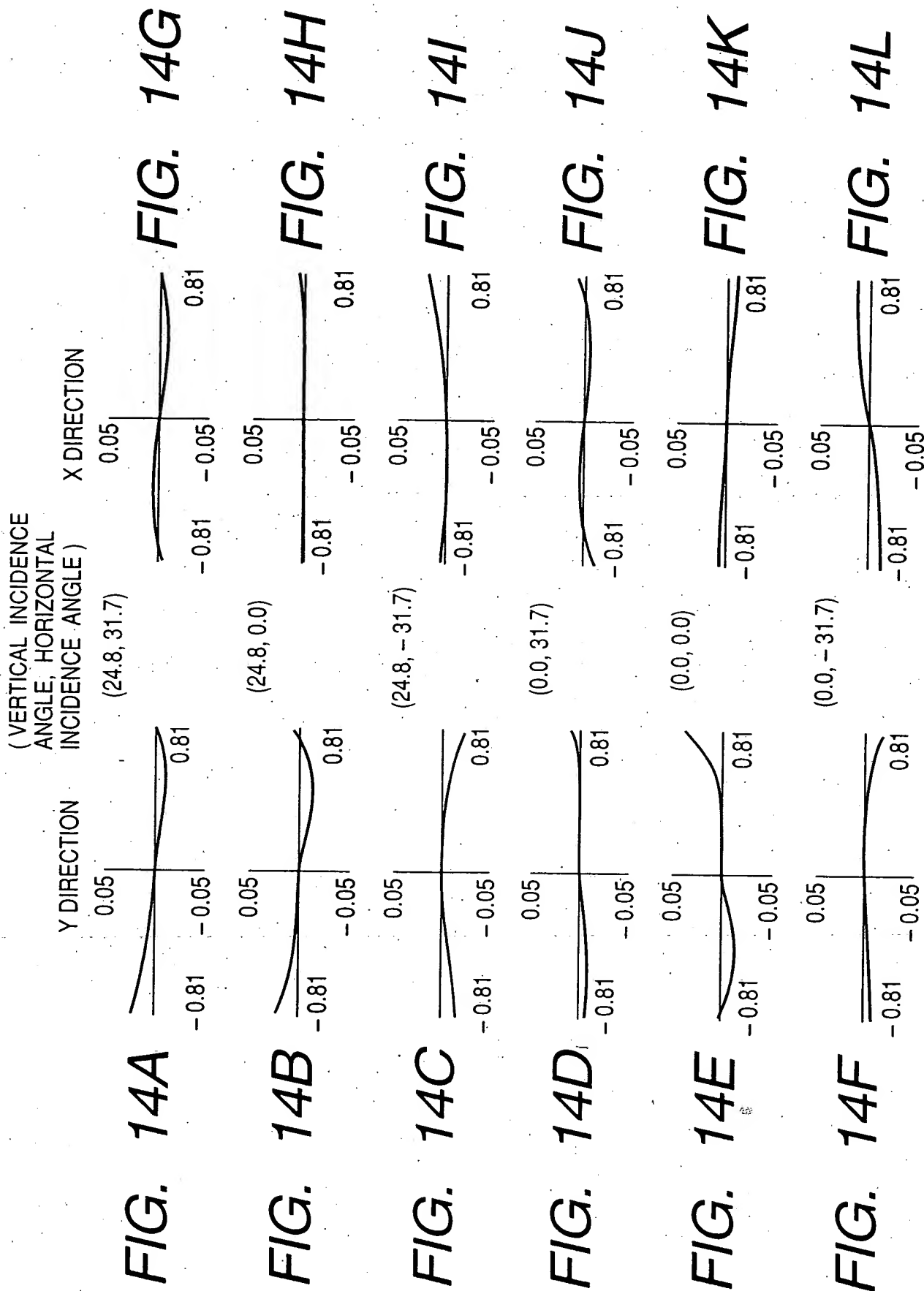


FIG. 13



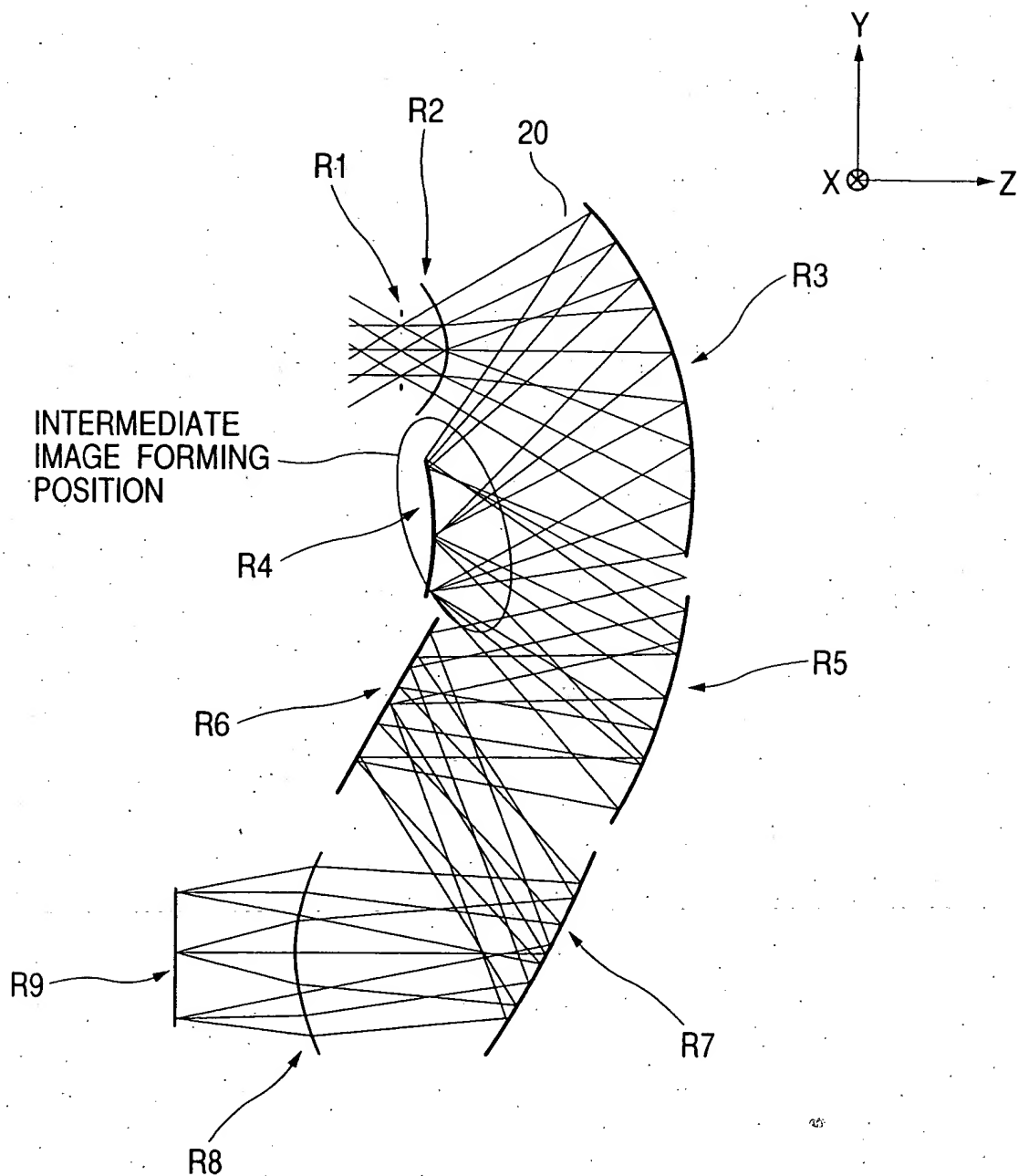
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

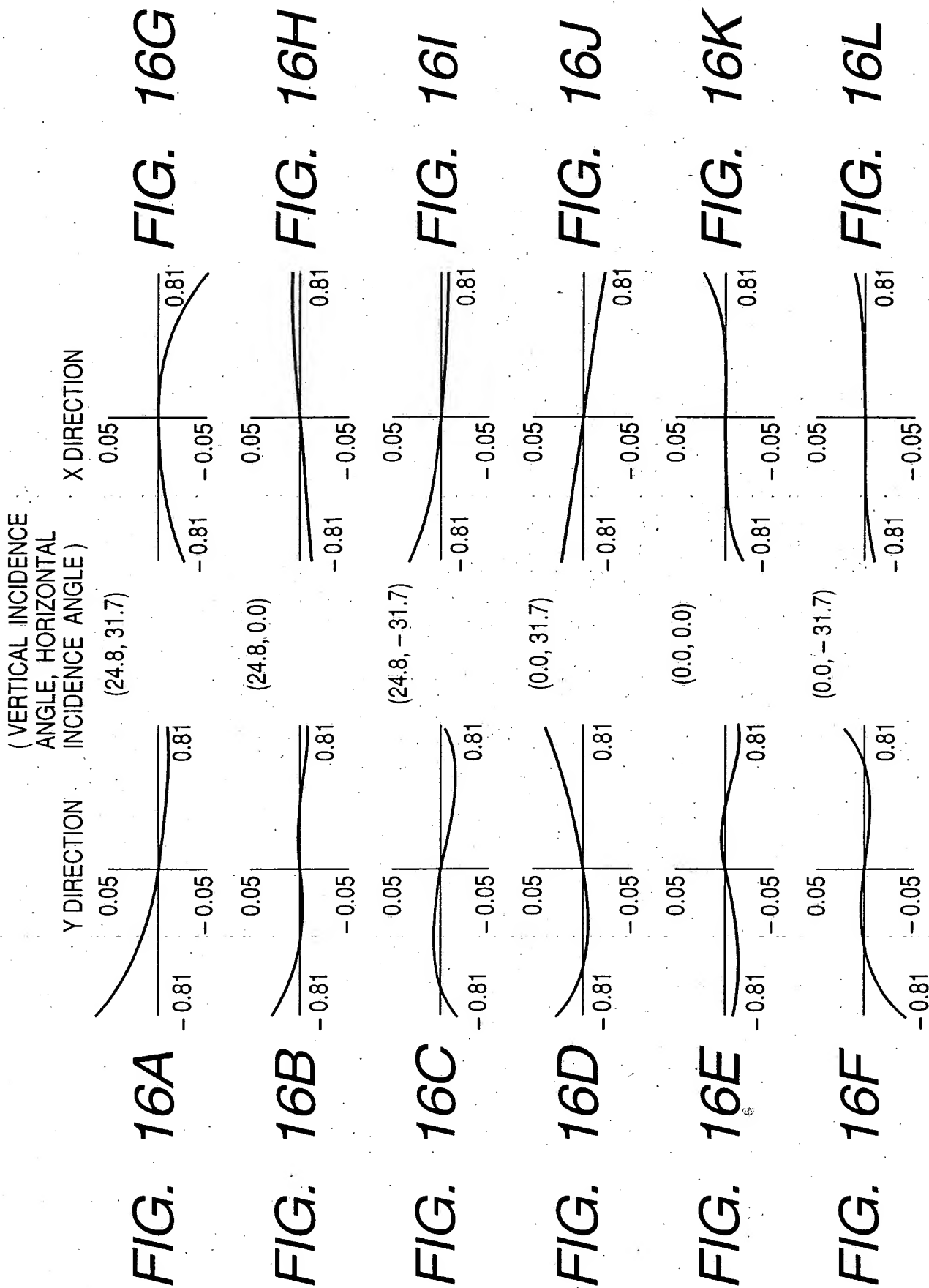
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FIG. 15



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG. 17A

WIDE ANGLE END

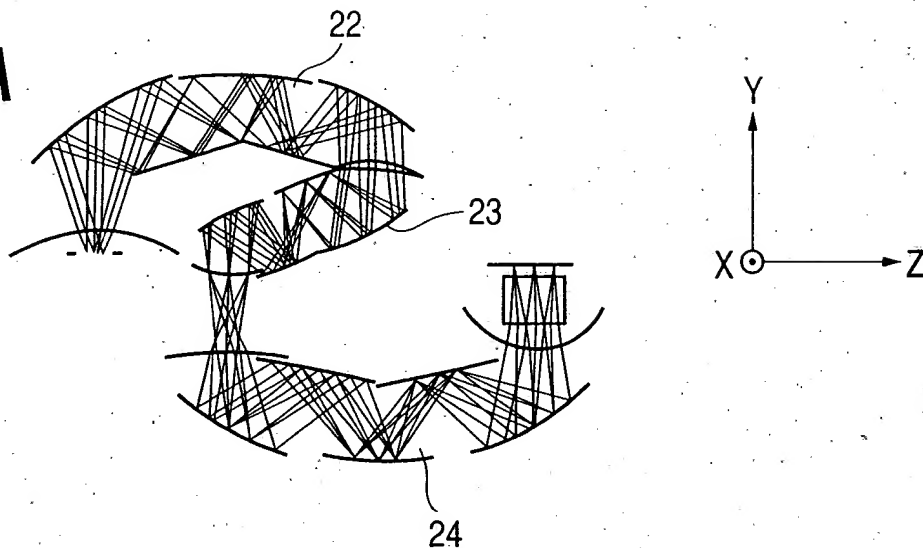


FIG. 17B

INTERMEDIATE
POSITION

INTERMEDIATE
IMAGE FORMING
POSITION

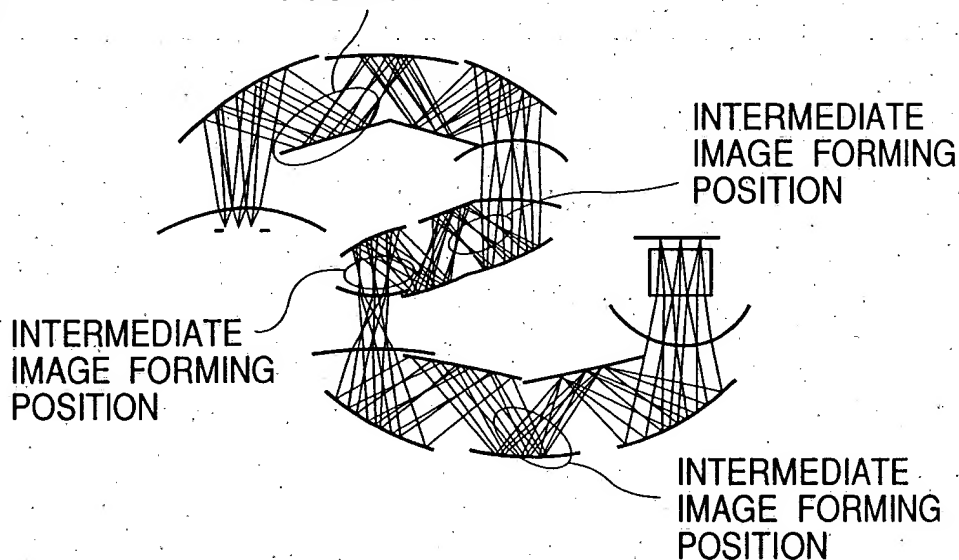
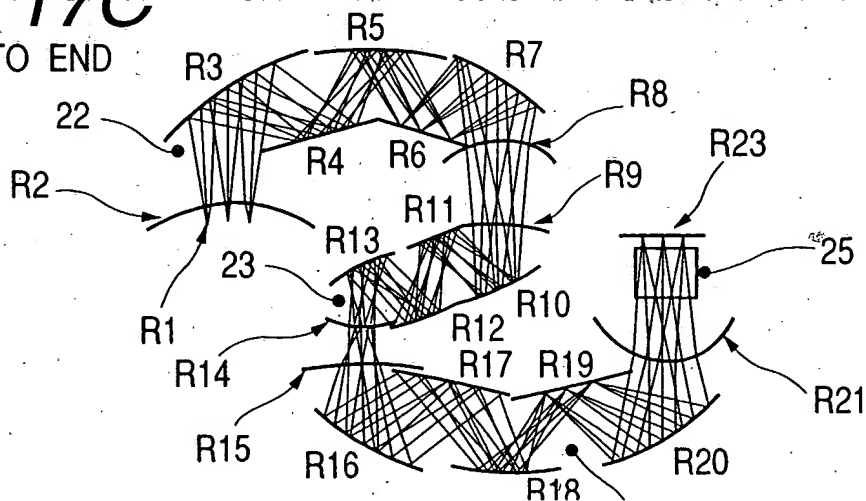


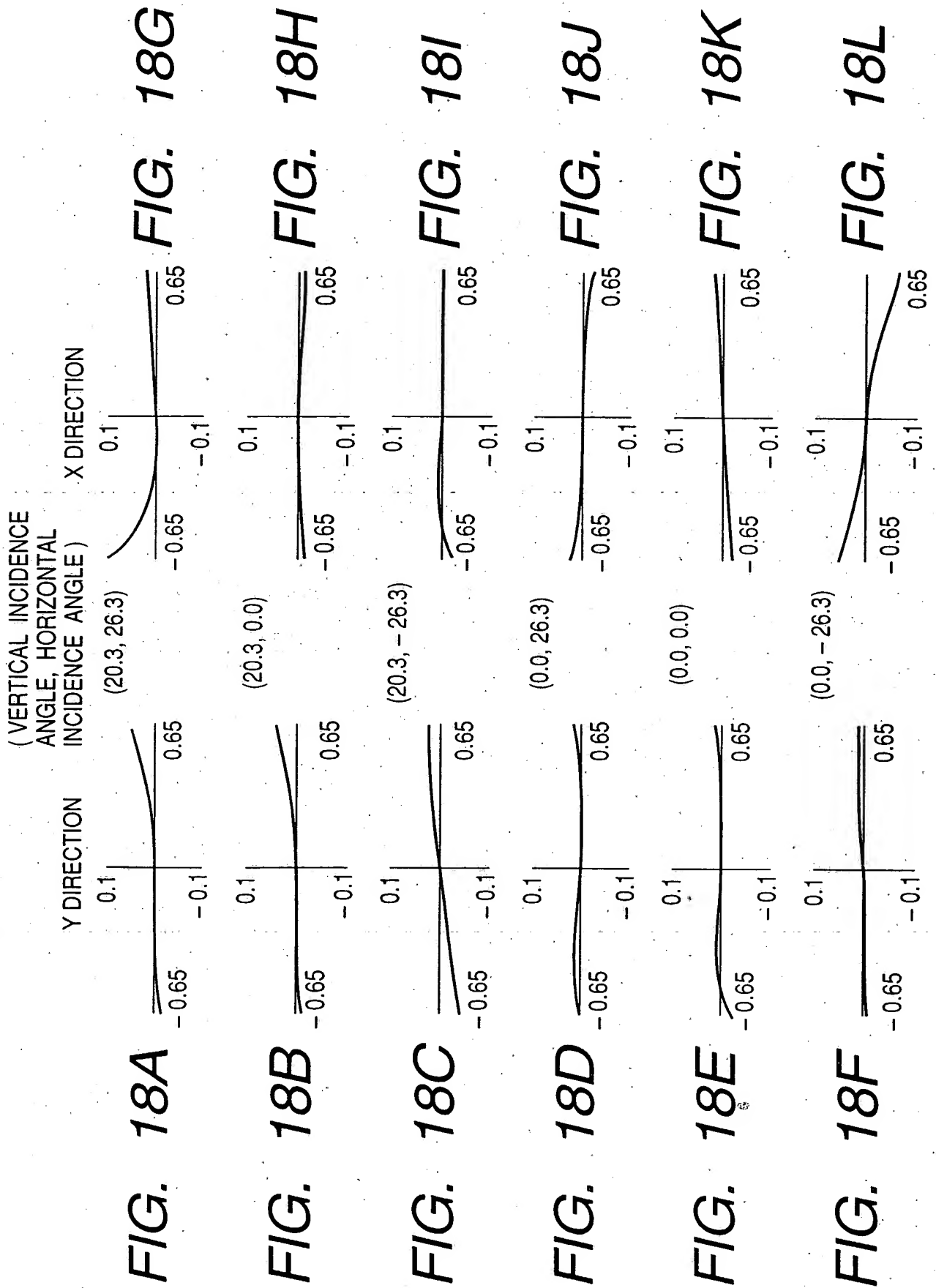
FIG. 17C

TELEPHOTO END



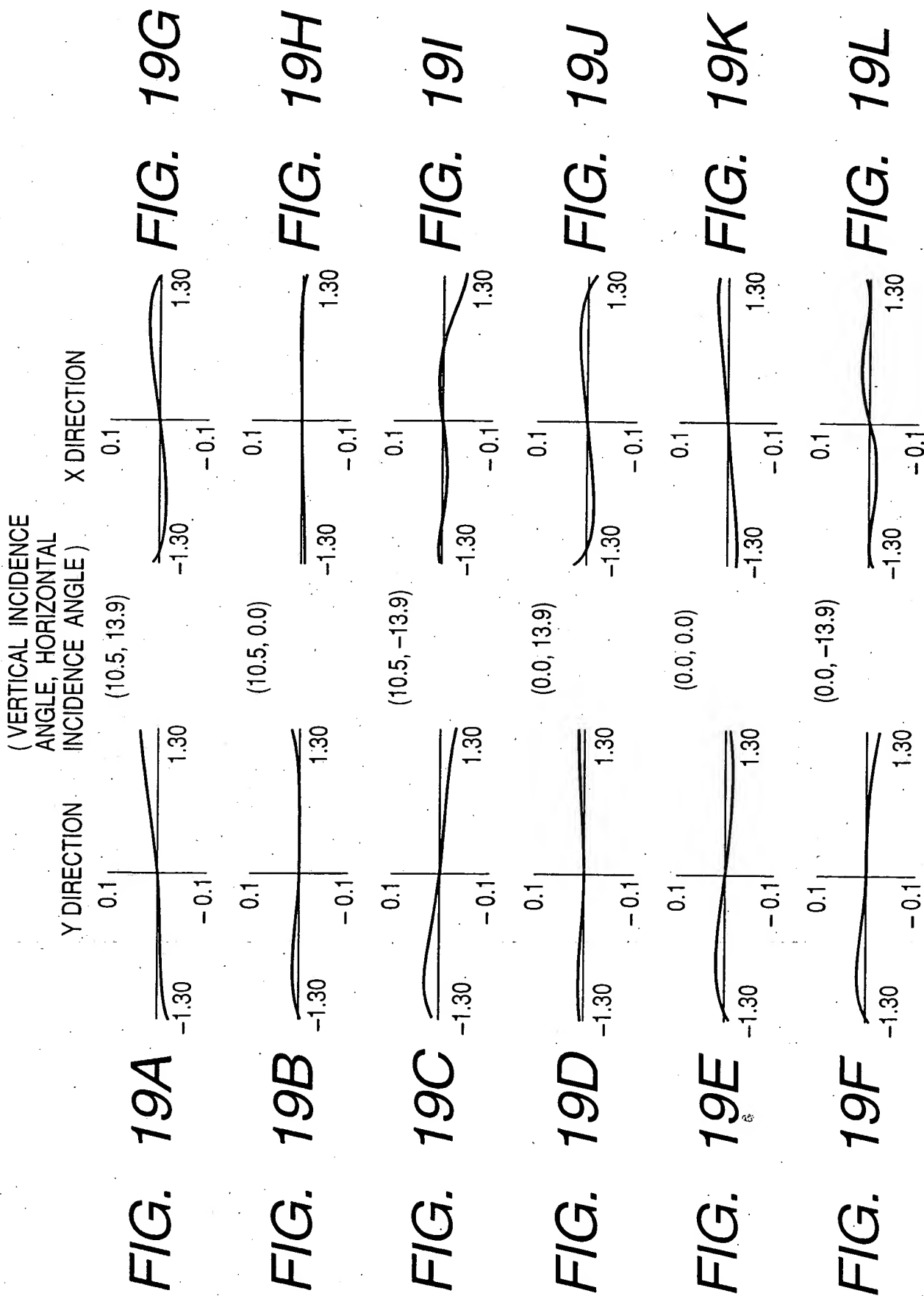
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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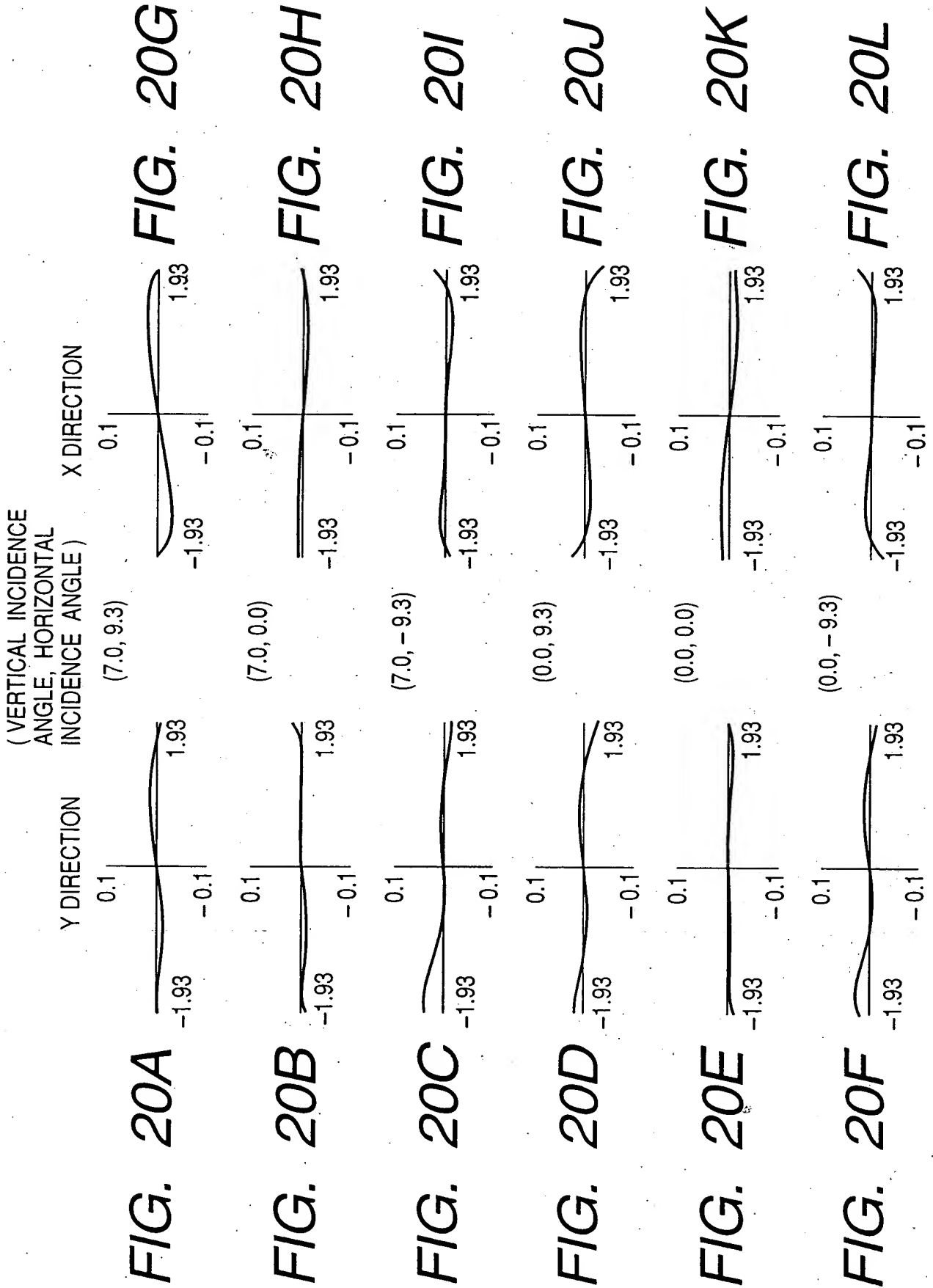


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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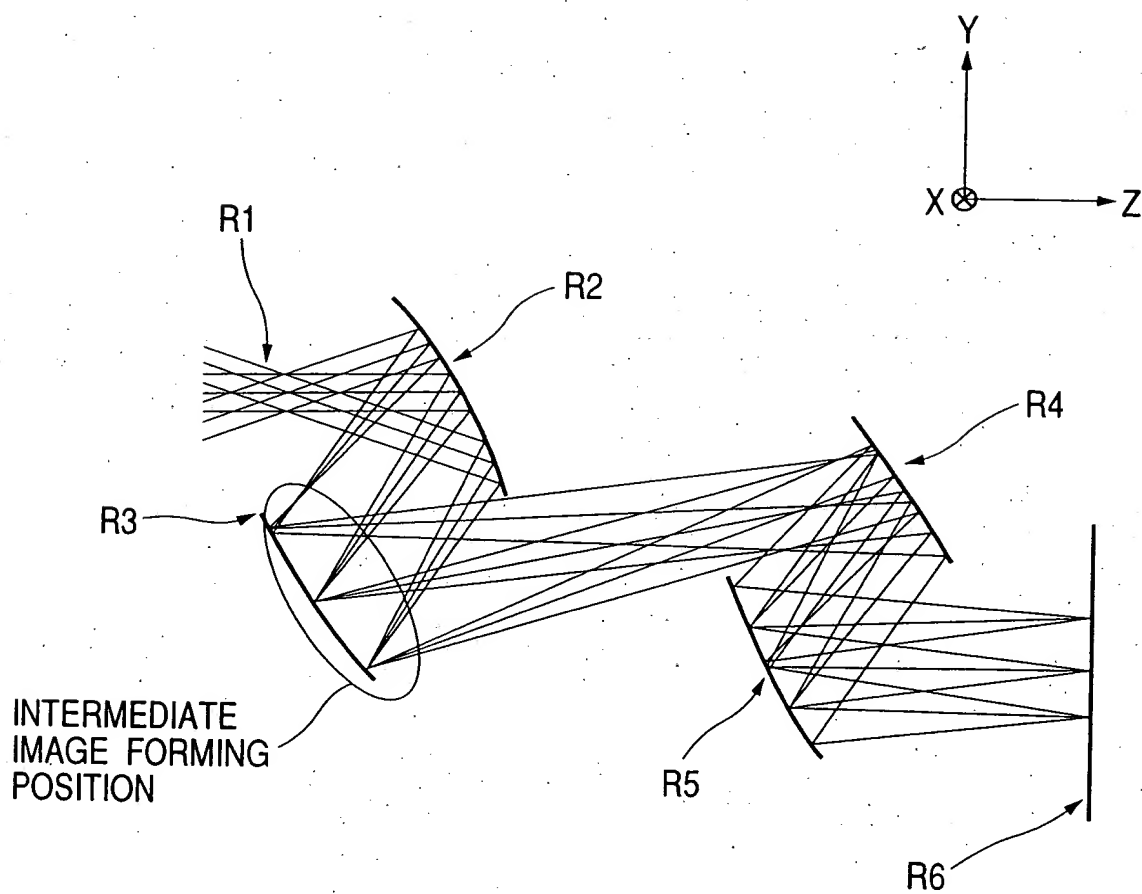
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG. 21



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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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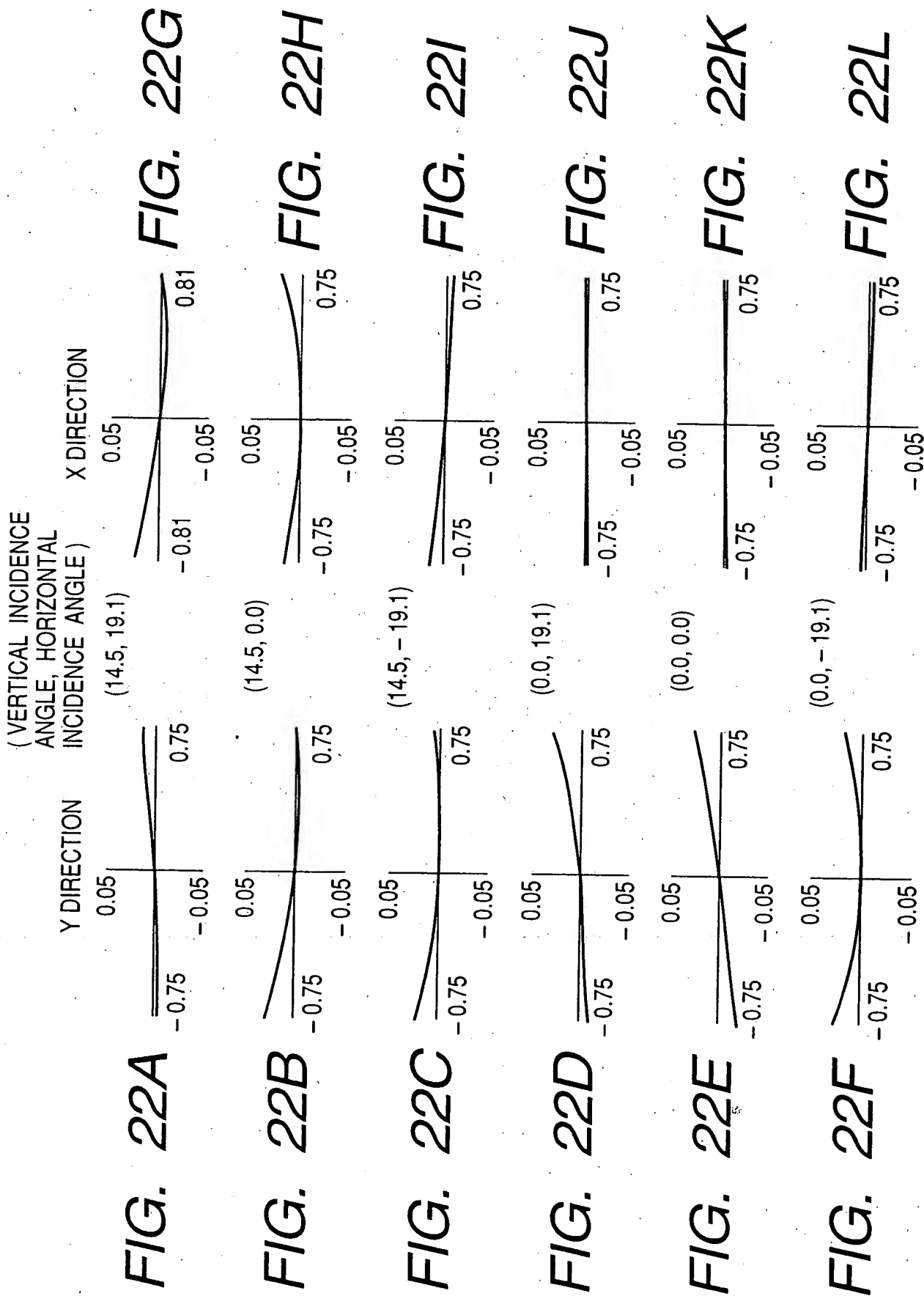
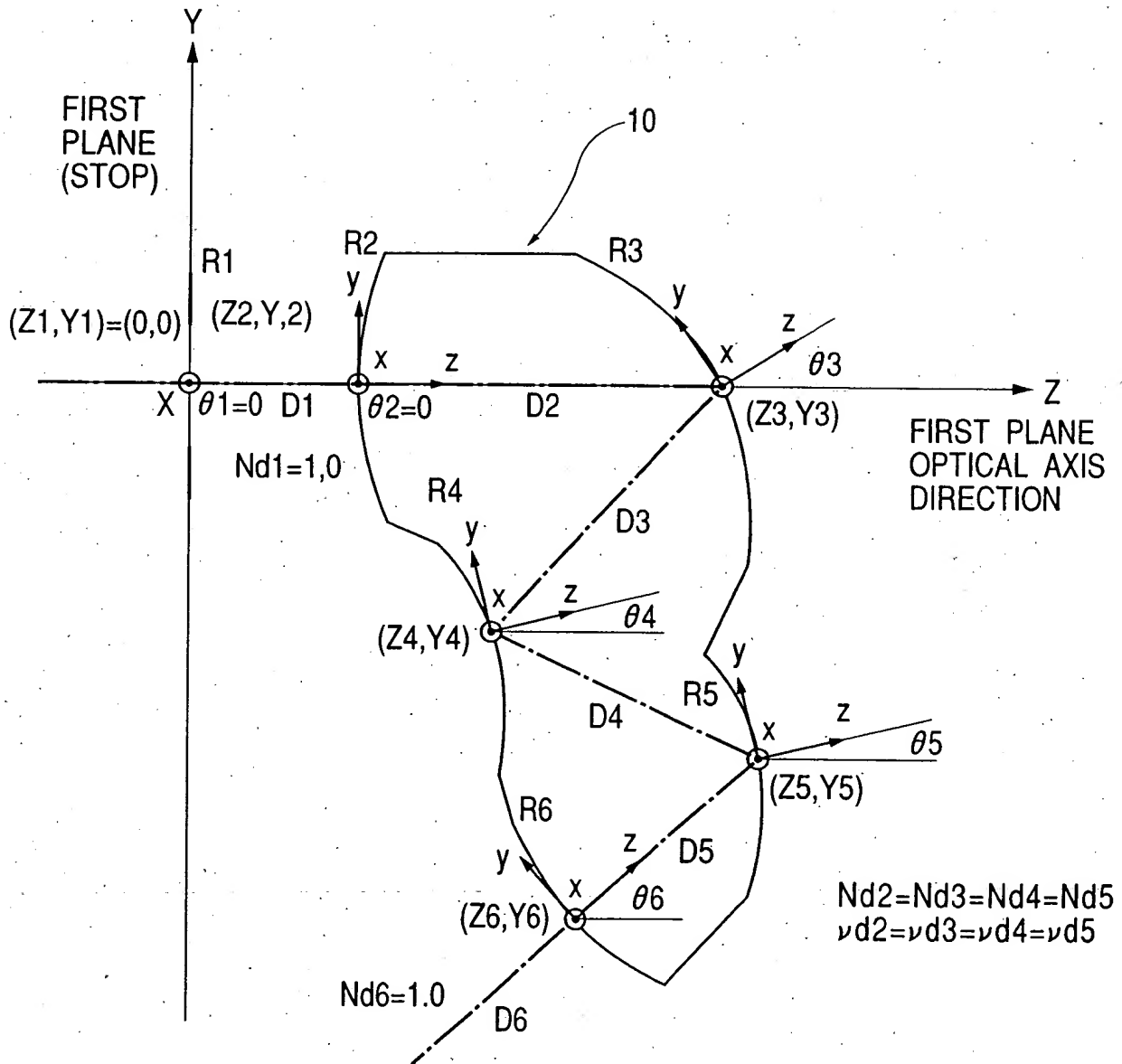


FIG. 23



BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG. 24

(HORIZONTAL VIEW ANGLE,
VERTICAL VIEW ANGLE)

SMALLEST SPOT

(0.0, 0.0)



(24.84, 31.68)



0.50000 MM



FIG. 25

(HORIZONTAL VIEW ANGLE,
VERTICAL VIEW ANGLE)

SMALLEST SPOT

(0.0, 0.0)



(24.84, 31.68)



0.50000 MM



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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG. 26

(HORIZONTAL VIEW ANGLE,
VERTICAL VIEW ANGLE)

SMALLEST SPOT

(0.0, 0.0)

(24.84, 31.68)

0.05000 MM

FIG. 27

(HORIZONTAL VIEW ANGLE,
VERTICAL VIEW ANGLE)

SMALLEST SPOT

(0.0, 0.0)

(24.84, 31.68)

0.05000 MM

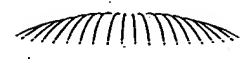
091227031 07241410

BY	D.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

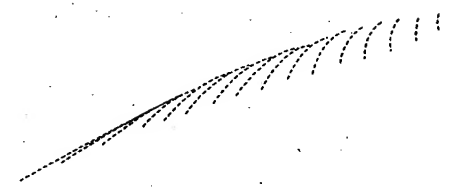
FIG. 28

(HORIZONTAL VIEW ANGLE, LIGHT SPOT ON R3
VERTICAL VIEW ANGLE)

(0.0, 0.0)



(24.84, 31.68)



0.50000 MM

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